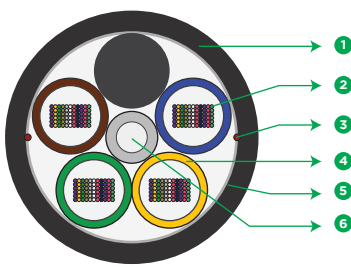


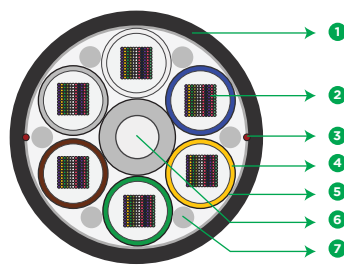
Ribbon-Lite

Multitube Gel Free Single Sheath Duct OFC

192F - 864F | Nova - G.657.A1 Single Mode Fiber



Up to 288F



432F-864

- 1 OUTER SHEATH
- 2 RIBBON
- 3 RIPCORD(S)
- 4 GEL FREE LOOSE TUBES
- 5 WATER BLOCKING TAPE
- 6 STRENGTH MEMBER
- 7 INTERTITIAL FILLERS

** Typical Construction Diagram - Not to Scale*

Features & Benefits

- Multitube design with ripcords for easy and quick mid span access
- Precise Fiber and ribbon geometries result in excellent mass fusion splicing yields
- Dry water-blocking technology for gel free core helps in quicker end preparation
- Easily removable rugged thermoplastic jacket
- UV Protected, Flexible, light weight, easy to handle & install

Product Details

STL RIBBON-LITE Multitube Single Jacket Cable combines robust performance for duct installations with the productivity of high count mass fusion splicing. Twelve optical Fibers are arranged into ribbon units by placing the Fibers in a flat array of color-coded Fibers bonded together by a UV-curable acrylate matrix. RIBBON-LITE comes with gel free technology, the buffer tubes contain water swellable yarns and is surrounded with water-swellable tape to prevent water ingress in the cable. The buffer tubes are stranded around the central strength member using reverse oscillation stranding method forming the cable core. This cable offers an outstanding solution for demanding high-growth, high-bandwidth communications applications like data centers, equipment connections within cabinets, outside plant applications.

Cable Performance Standards

Cable complies to the following standards IEC 60793, IEC 60794, ANSI/ICEA S-87-640, Telcordia GR-20, ITU-T, RoHS, REACH, EIA/TIA 598C.

Printing Details

Printing : STL SM NOVA “FIBER COUNT” RIBBON DUCT OFC LASER SYMBOL TELEPHONE SYMBOL
“YEAR OF MANUFACTURE” “LENGTH CODE” “FEET MARKING”

Note : The accuracy of marking shall be + 0.5%. Occasional loss of printing & remarking shall be as per Bell core GR 20 and this supersedes the earlier markings

Specifications

Physical Characteristics	
Fiber Type	STL NOVA (ITU-T G.657A1)
Maximum Cabled Attenuation (dB/km)	1310nm : 0.4 & 1550nm : 0.3
PMD LDV (ps/sqrt.km)	</= 0.1
Ribbon Printing per Tube (4 Ribbon/Tube)	BLUE SAFETY RIBBON, 1 RIBBON 1, 2 RIBBON 2, 3 RIBBON 3, 4 RIBBON 4, BLUE SAFETY RIBBON
Ribbon Printing per Tube (6 Ribbon/Tube)	BLUE SAFETY RIBBON, 1 RIBBON 1, 2 RIBBON 2, 3 RIBBON 3, 4 RIBBON 4, 5 RIBBON 5, 6 RIBBON 6, BLUE SAFETY RIBBON
Ribbon Printing per Tube (12 Ribbon/Tube)	BLUE SAFETY RIBBON, 1 RIBBON 1, 2 RIBBON 2, 3 RIBBON 3, 4 RIBBON 4, 5 RIBBON 5, 6 RIBBON 6, 7 RIBBON 7, 8 RIBBON 8, 9 RIBBON 9, 10 RIBBON 10, 11 RIBBON 11, 12 RIBBON 12, BLUE SAFETY RIBBON
Tube Material	Polypropylene (PP)
Central Strength Member	FRP (Fiber Reinforced Plastic)
Water Blocking	Yarns and water swellable tape
No. of Ripcords Below Outer Sheath	2
Outer Sheath Material	UV Proof Black Polyethylene

Fiber Color Sequence (AS per EIA/TIA 598C)

Blue	Orange	Green	Brown	Slate	White	Red	Black	Yellow	Violet	Rose	Aqua
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Cable Characteristics

Product Code	Fiber Count	Tube Color Sequence	No. of Fillers	No. of Interstitial Fillers	Cable Diameter mm (inch) (± 1.0 mm)	Cable Weight Kg/Km (lbs./ft.) (± 10%)
RD0192FSN04TFPIUS	192	Blue, Orange, Green, Brown, Filler	1	0	21.4 (0.842)	220 (0.147)
RD0216FSN03TFPIUS	216	Blue, Orange, Green, Filler, Filler	2	0	21.4 (0.842)	230 (0.154)
RD0288FSN04TFPIUS	288	Blue, Orange, Green, Brown, Filler	1	0	21.4 (0.842)	235 (0.157)
RD0432FSN06TFPIUS	432	Blue, Orange, Green, Brown, Slate, White	0	6	23.8 (0.937)	275 (0.184)
RD0576FSN04TFPIUS	576	Blue, Orange, Green, Brown, Filler	1	5	24.4 (0.960)	306 (0.205)
RD0720FSN05TFPIUS	720	Blue, Orange, Green, Brown, Slate, Filler	1	6	27.0 (1.06)	348 (0.233)
RD0864FSN06TFPIUS	864	Blue, Orange, Green, Brown, Slate, White	0	6	27.0 (1.06)	365 (0.245)

Specifications

Mechanical & Environmental Characteristics		
Cable Characteristics	Cable Performance	Testing Standard
Tensile Strength (N) (lbf)	Short Term - 2700 (606.9) Long Term - 900 (202.3)	ICEA 640 FOTP-33
Crush Resistance (N/cm) (lbf/in)	220 (125)	ICEA 640 FOTP-41
Impact Strength (Nm) (lbf.in)	5 (44.2)	ICEA 640 FOTP-25
Torsion	±180°	ICEA 640 FOTP-85
Min. Bend Radius (During Installation)	20 D	ICEA 640 FOTP-88
Min. Bend Radius (After Installation)	15 D	ICEA 640 FOTP-88
Water Penetration Test	1m waterhead, 3m samples, 24 h	ICEA 640 FOTP-82
Temperature Performance	Max. change in attenuation shall be \leq 0.15 dB/km	ICEA 640 FOTP-3
Installation	-30°C to +70°C	
Operation	-40°C to +70°C	
Storage	-40°C to +70°C	

Note : All tests shall be carried out as per IEC standards. Change in attenuation after and before testing shall be \leq 0.05 dB/km for Single Mode Fiber.

Packing and Lengths

Drum Type	Fiber count	Length Multiple (in feet)	Order Tolerance	Short Lengths
Wooden Drums	Upto 360F	13,123; 20000 \pm 5%	-0%, +5%	Max 5%, Customer Approval
	432F- 864F	10,000 \pm 5%		

For additional information please contact your sales representative.

You can also visit our website at www.stl.tech